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Complete and send this form, together with applicable fee(s), to: MailMail Stop ISSUE FEE
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DEC 20 2004

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26161 7590 09/16/2004

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12/21/2004 RMEBRAH1 00000089 10068080

01 FC:1501 1400.00 OP
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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Scott Barrett	(Depositor's name)
SA B.A.	(Signature)
12/16/04	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,080	02/05/2002	Christian Fritz	-06286-090002-	7540

TITLE OF INVENTION: USE OF YNES, ESSENTIAL BACTERIAL GENES AND POLYPEPTIDES

15132-090002

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	- \$1330 \$1400	\$300	- \$1630 \$1700	12/16/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHAHNAN SHAH, KHATOL S	1645	514-002000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Fish & Richardson P.C.

2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Millennium Pharmaceuticals, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Cambridge, MA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date

12/16/04

Typed or printed name

Todd E. Garcia

Registration No.

54,112

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Christian Fritz et al.
Serial No. : 10/068,080
Filed : February 5, 2002

Art Unit : 1645
Examiner : K. Shahnan Shah
Confirmation No.: 7540
Notice of Allowance Date: September 16, 2004

Title : USE OF YNES, ESSENTIAL BACTERIAL GENES AND POLYPEPTIDES

MAIL STOP ISSUE FEE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

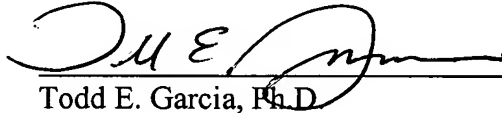
RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed September 16, 2004, enclosed are a completed issue fee transmittal form PTOL-85, a check for \$1730 for the required issue fee and publication fee, including patent copies, and Comments on Examiner's Reasons for Allowance.

Please apply any additional charges or credits to our Deposit Account No. 06-1050, referencing Attorney Docket Number 15132-090002.

Respectfully submitted,

Date: 12/16/04


Todd E. Garcia, Ph.D.
Reg. No. 54,112

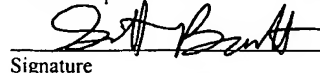
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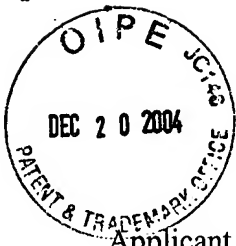
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December 16, 2004
Date of Deposit


Signature

Scott Barnett
Typed or Printed Name of Person Signing Certificate



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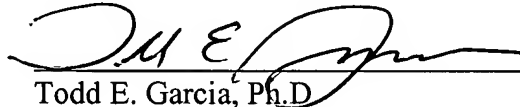
COMMENTS ON EXAMINER'S REASONS FOR ALLOWANCE

Applicants acknowledge the Examiner's conclusion that the present invention is not taught in the prior art. However, applicants do not concede that the Examiner's characterization of the invention and the prior art is accurate or complete, or that there are not other good reasons of record for patentability of the allowed claims.

Please apply any additional charges or credits to our Deposit Account No. 06-1050, referencing Attorney Docket Number 15132-090002.

Respectfully submitted,

Date: 12/16/04

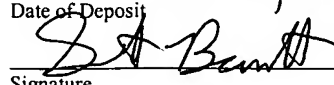

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